



Sewage Sludge and Biosolids Regulations

Presented at the Joint



and



Technical Conference

J. Kilren Vidrine, ES Staff, R.S.

9:00 AM to 9:30 AM

Friday – April 30, 2010

Emergency Services Training Center

1400 West Irene Road

Zachery, Louisiana 70791-8516

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
:FOR ALL YOUR ENVIRONMENTS



Regulations and Permitting Requirements Found at: LAC 33:IX.Subpart 3.Chapter 73

Internet Site →

<http://www.deq.louisiana.gov/portal/tabid/2296/Default.aspx>

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY



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USE OR DISPOSAL PRACTICES IN LOUISIANA

- (1) Land Application
- (2) Disposal in a permitted landfill
- (3) Incineration

Alternate Option → Pumping Out and Hauling Off and/or Giving Away (NOTE: This does not include for “Land Application” Purposes)



Surface disposal is prohibited in Louisiana



Surface Disposal - Includes monofills (sewage sludge only landfills), ponds/lagoons/surface impoundments that are utilized for the final disposal of sewage sludge, and landfarms that are not for “beneficial use” purposes.





Applicability



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The regulations apply to:

All Publicly Owned Treatment Works (POTW)

**All Privately Owned Sanitary Wastewater
Treatment Facilities**

Major Sanitary: ~110

Minor Sanitary: ~ 380

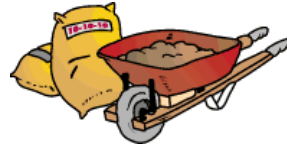
General Sanitary: ~3,460





They apply to a Commercial Preparer of Sewage Sludge

& a Commercial Land Applier of Biosolids



Number: ?

They apply to Commercial, Industrial, Petro-chemical Facilities: treat sanitary wastewater separate from process wastewater (separate streams & treatment facility)



Number: ?

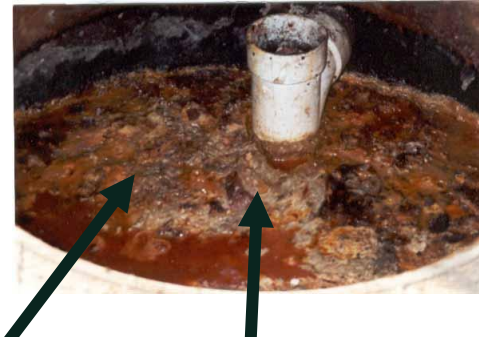


They apply to Pumpers & Haulers of Sewage Sludge: ~190 to 200 (includes sludge pumped from a sanitary wastewater treatment facility, domestic septage, portable toilet waste, and grease that was removed from a food service establishment and mixed with sewage sludge)





The regulations apply to grease...

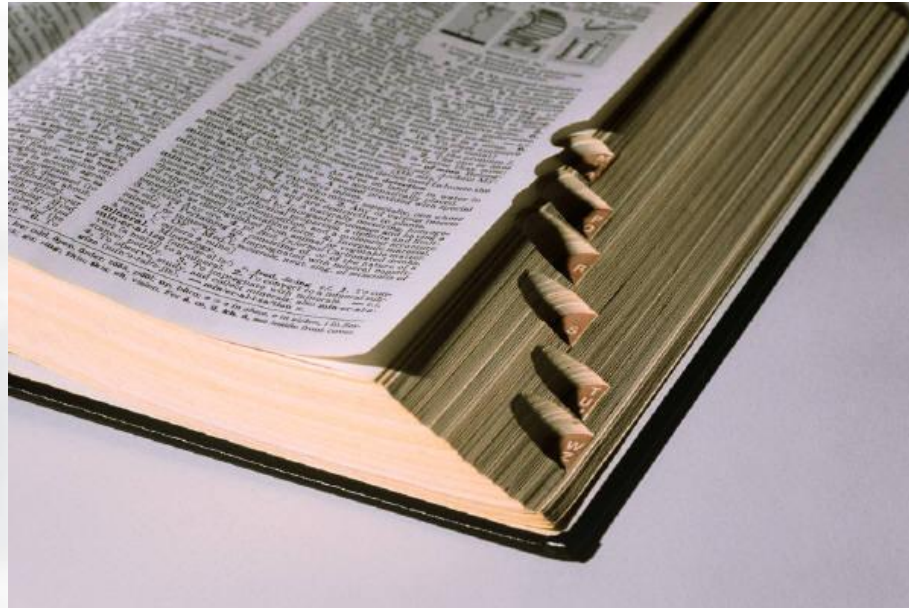


...that is generated at and pumped from a food service facility when the grease is mixed with sewage sludge.





Definitions



LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

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Sewage Sludge

Sewage Sludge - any solid, semisolid, or liquid residue removed during the treatment of municipal waste water or domestic sewage. *Sewage sludge* includes, but is not limited to, solids removed during primary, secondary, or advanced waste water treatment, scum, domestic septage, portable toilet pumpings, type III marine sanitation device pumpings (33 CFR Part 159), and sewage sludge products. *Sewage sludge* does not include grit or screenings, or ash generated during the incineration of sewage sludge.

Also includes *Grease Trap Waste* When Pumped or Removed from a *Food Service Establishment* and Mixed with *Sewage Sludge*





Person Who Prepares Sewage Sludge

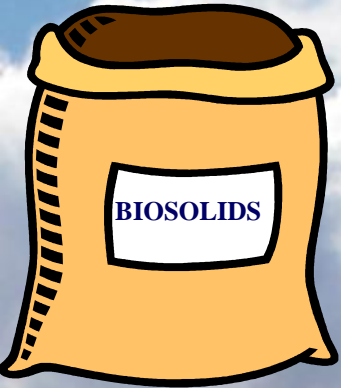
Person Who Prepares Sewage Sludge- the person who generates sewage sludge during the treatment of domestic sewage in a treatment works, the person who treats sewage sludge, or the person who derives a material from sewage sludge.





Biosolids – Sewage Sludge or a material derived from sewage sludge that is non-hazardous and a PCB concentration of less than 50 mg/kg of total solids (dry weight) and is prepared to meet one of the pollutant requirements of LAC 33:IX.7303.E, one of the pathogen requirements in LAC 33:IX.7309.C, one of the vector attraction reduction requirements in LAC 33:IX.7309.D.





Exceptional Quality Biosolids - Biosolids that are non-hazardous and meets the ceiling concentrations in Table 1 of LAC 33:IX.7303.E, the pollutant concentrations in Table 3 of LAC 33:IX.7303.E, the pathogen requirements in LAC 33:IX.7309.C.1, one of the vector attraction reduction requirements in LAC 33:IX.7309.D.2.a-e, and a PCB concentration of less than 10 mg/kg of total solids (dry weight).

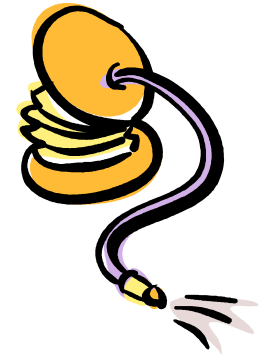
Class B Biosolids - Biosolids that are not meeting one or more of the following requirements:

- a. the pollutant concentrations in Table 3 of LAC 33:IX.7303.E;
- b. the pathogen requirements in LAC 33:IX.7309.C.1;
- c. one of the vector attraction reduction requirements in LAC 33:IX.7309.D.2.a-e; and,
- d. PCB concentration of less than 10 mg/kg of total solids (dry weight basis).





Pumper of Sewage Sludge



Pumper of Sewage Sludge—a person who removes sludge from a sanitary wastewater treatment facility; domestic septage from a residential septic tank, mechanical treatment plant, or dump station for recreational vehicles and watercrafts or vessels; residuals from a portable toilet; or grease from a food service facility that is mixed with sewage sludge.





Transporter of Sewage Sludge



Transporter of Sewage Sludge—a person who pumps or moves sewage sludge off-site by means of land-based vehicles, barges, ships, rails, pipelines, or other modes of transportation. For oxidation ponds/lagoons/surface impoundments, this includes the removal of the sewage sludge from the oxidation ponds/lagoons/surface impoundments to the levees surrounding the oxidation ponds/lagoons/surface impoundments.



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Implementation



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Incineration



Air Quality or Title V Permit
w/specific sewage sludge requirements
added to the permit



Sewage Sludge & Biosolids Use or Disposal General Permit for the Disposal of Sewage Sludge in a Landfill



BOBBY JINDAL
GOVERNOR



HAROLD LEGGETT, PH.D.
SECRETARY

State of Louisiana
DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES
January 12, 2010

LAJ650000

GENERAL PERMIT NUMBER: LAJ650000
AI 166433
PER20090001

TO: ALL INTERESTED PARTIES

Subject: Sewage Sludge and Biosolids Use or Disposal General Permit LAJ650000

The Department of Environmental Quality (DEQ) has finalized the Sewage Sludge and Biosolids Use or Disposal General Permit LAJ650000.

This Office has published a public notice announcing the proposal to issue this general permit in THE ADVOCATE of Baton Rouge, and one time each in the following local papers throughout the state: THE TIMES of Shreveport, THE AMERICAN PRESS of Lake Charles, THE TIMES PICAYUNE of New Orleans, THE NEWS-STAR of Monroe, THE TOWN TALK of Alexandria, THE ADVERTISER of Lafayette, THE COURIER of Houma, and THE TIMES of Shreveport on October 21, 2009, published on the LDEQ Permits Public Web Page, and mailed to all persons on the Office of Environmental Services Public Notice Mailing List and Electronic Mailing List on October 20, 2009. Subsequent to publication of the public notice in these newspapers a 30-day comment period began. All interested parties were invited to submit written comments to this Office within the 30-day comment period. Written comments were received during the comment period. These comments were reviewed and responses provided.

Pursuant to the Clean Water Act (33 U.S.C. 1251 *et seq.*), and the Louisiana Environmental Quality Act (La. R.S. 30:2001, *et seq.*), the attached Sewage Sludge and Biosolids Use or Disposal General Permit has been issued. Provisions of this permit may be appealed in writing pursuant to La. R.S. 2024 (A) within 30 days of receipt of this permit. A request for a hearing must be sent to the following:

Louisiana Department of Environmental Quality
Office of the Secretary
Attention: Hearings Clerk, Legal Affairs Division
Post Office Box 82282
Baton Rouge, Louisiana 70884-2282

Should you have any questions concerning any part of the general permit, public notice requirements or procedures, please contact Mr. Eura DeHart, Water Permits Division, at the address below or by telephone at (225) 219-3092.

Post Office Box 4313 • Baton Rouge, Louisiana 70821-4313 • Phone 225-219-3181 • Fax 225-219-3309
www.deq.louisiana.gov

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY



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Possess Coverage under the “Sewage Sludge & Biosolids Use or Disposal General Permit for the Disposal of Sewage Sludge in a Landfill”

The “Sewage Sludge & Biosolids Use or Disposal General Permit for the Disposal of Sewage Sludge in a Landfill” was Issued on the January 12, 2010 and will become Effective on February 01, 2010.



Applicability for LAJ650000

Persons who prepare sewage sludge for disposal in a landfill permitted to accept sewage sludge are eligible for coverage under this general permit.

The landfill where the sewage sludge is disposed must possess a valid, effective permit issued under LAC 33:VII or Subtitle C of the Solid Waste Disposal Act and be permitted to receive sewage sludge for disposal.





LAJ650000 – does not apply to:

- 1. public, private, or commercial facilities that prepare sewage sludge into an Exceptional Quality Biosolids or a Class B Biosolids for beneficial use through land application for either a crop fertilizer or soil conditioner**
- 2. public, private, or commercial land appliers of a Class B Biosolids**
- 3. incinerators of sewage sludge**





LAJ650000 – Also does not apply to:

- 1. The disposal of sewage sludge in a Type III facility as defined by LAC 33:VII.115**
- 2. The use or disposal of sewage sludge that is hazardous under 40 CFR Part 261 and/or LAC 33:Part V**
- 3. The use or disposal of sewage sludge with a concentration of polychlorinated biphenyls (PCBs) equal to or greater than 50 milligrams per kilogram of total solids (dry weight basis)**





Sewage Sludge & Biosolids Use or Disposal General Permit for Disposal of Sewage Sludge in a Landfill Notice of Intent



STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
Office of Environmental Services – Water Permits Division
Post Office Box 4313
Baton Rouge, LA 70821-4313
PHONE#: (225) 219-3050

NOTICE OF INTENT

FOR

THE DISPOSAL OF SEWAGE SLUDGE (BIOSOLIDS) IN PERMITTED LANDFILLS

IN

LOUISIANA

To request coverage under the
“Sewage Sludge & Biosolids Use or
Disposal General Permit for Disposal
of the Sewage Sludge in a Landfill”,
Complete and Submit a “Notice of
Intent”

Form_7257_r00



Form_7257_r00
08/19/2009

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY



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Sewage Sludge & Biosolids Use or Disposal General Permit for having the Sewage Sludge pumped out or removed from a Domestic (Sanitary) Wastewater Treatment Facility and Sold, Given Away and/or Hauled Off-site for a Fee

Possess Coverage under the “Sewage Sludge & Biosolids Use or Disposal General Permit for having the Sewage Sludge pumped out or removed from a Domestic (Sanitary) Wastewater Treatment Facility and Sold, Given Away and/or Hauled Off-site for a Fee.”

The “Sewage Sludge & Biosolids Use or Disposal General Permit for having the Sewage Sludge pumped out or removed from a Domestic (Sanitary) Wastewater Treatment Facility and Sold, Given Away and/or Hauled Off-site for a Fee” was Issued on the January 13, 2010 and will become Effective on February 01, 2010.

BOBBY JINDAL
GOVERNOR



HAROLD LEGGETT, Ph.D.
SECRETARY

State of Louisiana
DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

January 14, 2010

GENERAL PERMIT NUMBER: LAJ660000
AI 167634
PER20090001

LAJ660000



TO: ALL INTERESTED PARTIES

Subject: Sewage Sludge and Biosolids Use or Disposal General Permit LAJ660000

The Department of Environmental Quality (DEQ) has finalized the Sewage Sludge and Biosolids Use or Disposal General Permit LAJ660000.

This Office has published a public notice announcing the proposal to issue this general permit in THE ADVOCATE of Baton Rouge, and one time each in the following local papers throughout the state: THE TIMES of Shreveport, THE AMERICAN PRESS of Lake Charles, THE TIMES PICAYUNE of New Orleans, THE NEWS-STAR of Monroe, THE TOWN TALK of Alexandria, THE ADVERTISER of Lafayette, THE COURIER of Houma, and THE TIMES of Shreveport on November 25, 2009, and published on the LDEQ Permits Public Web Page and mailed to all persons on the Office of Environmental Services Public Notice Mailing List and Electronic Mailing List on November 23, 2009. Subsequent to publication of the public notice in these newspapers a 30-day comment period began. All interested parties were invited to submit written comments to this Office within the 30-day comment period. The Department did not receive any written comments during the comment period.

Pursuant to the Clean Water Act (33 U.S.C. 1251 et seq.), and the Louisiana Environmental Quality Act (La. R.S. 30:2001, et seq.), the attached Sewage Sludge and Biosolids Use or Disposal General Permit has been issued. Provisions of this permit may be appealed in writing pursuant to La. R.S. 2024 (A) within 30 days of receipt of this permit. A request for a hearing must be sent to the following:

Louisiana Department of Environmental Quality
Office of the Secretary
Attention: Hearings Clerk, Legal Affairs Division
Post Office Box 82282
Baton Rouge, Louisiana 70884-2282

Should you have any questions concerning any part of the general permit, public notice requirements or procedures, please contact Mr. Eura DeHart, Water Permits Division, at the address below or by telephone at (225) 219-3092.

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www.deq.louisiana.gov

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Applicability for LAJ660000

Applies to person(s) that have sewage sludge pumped out or removed from a sanitary wastewater treatment works and sold, given away, and/or hauled off-site for a fee or other consideration are eligible for coverage under this general permit.





LAJ660000 – does not apply to:

1. Commercial preparers of sewage sludge, other than publicly owned treatment works (POTW)

2. Facilities that prepare sewage sludge into an Exceptional Quality Biosolids or a Class B Biosolids for beneficial use through land application either as a crop fertilizer or soil conditioner

3. Land appliers of a Class B Biosolids

4. Incinerators of sewage sludge

5. Facilities that dispose sewage sludge in a permitted landfill

6. Facilities that have sewage sludge removed from a treatment system to be transported to an “out-of-state” facility or location for disposal or incineration

7. Facilities that prepare sewage sludge into a Biosolids and have the Biosolids removed to be transported to an “out-of-state” preparer for further treatment or “out-of-state” land applier for land application of the Biosolids





Sewage Sludge & Biosolids Use or Disposal General Permit for Having the Sewage Sludge pumped out or removed from a Domestic (Sanitary) Wastewater Treatment Facility and Sold, Given Away and/or Hauled Off-site for a Fee Notice of Intent

Louisiana Department of Environmental Quality
Office of Environmental Services, Water Permits Division
Post Office Box 4313
Baton Rouge, Louisiana 70821-4313

Notice of Intent for
Sewage Sludge and Biosolids Use or Disposal Permit
General Permit Number LAJ660000

Notice of Intent for
Sewage Sludge and Biosolids Use or Disposal Permit
General Permit Number LAJ660000

Appendix A

Publicly Owned Treatment Works that accept hauled sewage sludge from outside sources shall develop a Facility Operations and Maintenance Manual. A copy of the manual must be forwarded with this Notice of Intent.

1. The Facility Operations and Maintenance Manual shall be updated as needed and kept on-site and readily available to employees and, if requested, to the administrative authority or his/her duly authorized representative.
2. The Facility Operations and Maintenance Manual must describe, in specific detail, how the sewage sludge will be managed during all phases of the preparation and subsequent disposal. At a minimum, the manual shall address the following:

I. Facility Information

Facility Name: _____
Mailing Address: _____
City: _____
State: _____ Zip Code: _____
Phone: _____

Physical location: _____
City: _____ Zip Code: _____
Parish: _____
DEQ AI #: _____ LPDES Permit #: _____

II. Facility to which sewage sludge will be transported

Facility Name: _____
Physical Location: _____
City: _____ Parish: _____
DEQ Sewage Sludge Permit #: _____
DEQ AI #: _____

III. Attachments

Publicly Owned Treatment Works (POTWs) that accept hauled sewage sludge from outside sources are required to submit the information required in Appendix A.

IV. Certification Statement

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment for knowing violations.

I certify that the conditions of General Permit LAJ660000 are applicable to the facility and that this facility meets the all eligibility requirements of Part I of LAJ660000. I agree to comply with all terms and conditions of the authorization under the General Permit LAJ660000.

Signature: _____ Date: _____
Print Name: _____
Title: _____
Form_7263_r00
11/06/2009

Sewage Sludge & Biosolids Use

or Disposal General Permit for Having the Sewage Sludge

pumped out or removed from a Domestic (Sanitary) Wastewater

Treatment Facility and Sold, Given Away and/or Hauled Off-site

for a Fee", Complete and Submit a "Notice of Intent"

- Clean and safe drinking water;
- Regulatory compliance;
- Process (preparation) management plan;
- Control of odors, noise, and dust;
- Odor management plan;
- Worker health and safety management plan;
- Housekeeping and waste management plan;
- Emergency preparedness plan;
- Security, community relations and public access plan;
- Vegetation management; and
- Recordkeeping, and reporting procedures;
- Product distribution records;
- Location of how the sewage sludge will be pumped out or removed;
- Operator certification;
- Administration of the operations and maintenance manual; and
- Manifest system.

Form_7263_r00

Form_7263_r00
11/06/2009

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY



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Land Application



Preparation/Treatment of Sewage Sludge into a Biosolids that can then be Beneficially Used (the use of Biosolids for the purpose of soil conditioning or crop or vegetative fertilization in a manner that does not pose a danger of adverse effects upon human health or the environment or cause any deterioration of land surfaces, soils, surface waters, or groundwater.)





Sewage Sludge & Biosolids Use or Disposal Permit

BOBBY JINDAL
GOVERNOR



HAROLD LEGGETT, Ph.D.
SECRETARY

State of Louisiana
DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES
MAR 25 2009

CERTIFIED MAIL NUMBER: 7005 1820 0002 2359 1320*

AGENCY INTEREST NUMBER: 52J41
PERMIT NUMBER: LASS052341
TEMPO NUMBER: PER20080001

City of Ruston
P.O. Box 2069
Ruston, Louisiana 71271

Attention: Honorable Dan Hollingsworth, Mayor

Louisiana Sewage Sludge and Biosolids Use or Disposal permit for a Publicly Owned Treatment Works (POTW) to prepare sewage sludge into a Class B Biosolids and Land Apply the Class B Biosolids for Beneficial Use.

Dear Mayor Hollingsworth:

This Office did not receive comments from the general public in response to the public notice published in *The Ruston Daily Leader* on February 4, 2009. However, the city of Ruston did send one comment regarding the wording at B.2.a of Part II of the permit. The city of Ruston's comment and the Office of Environmental Services' response are as follows:

Comment

"Under Part II, Specific Conditions, subsection B.2 Operational Standards, paragraph a. states in part "The facility must include a receiving area, preparing areas, and truck wash area that are located on surfaces capable of preventing groundwater contamination..."

Please be advised that the City of Ruston does not receive sludge materials at the Beneficial Use Facility by means other than that which is pumped directly from the City of Ruston Wastewater Treatment Facility, and we do not anticipate doing so in the future. Therefore, we feel as though this section does not apply. However, if the wording were changed to add the following statement, presented in bold writing, then this section would apply as follows: "If any sludge materials are to be received by any means other than that which is pumped directly from the City of Ruston Wastewater Treatment Facility, the facility must include a receiving area, preparing areas, and truck wash area that are located on surfaces capable of preventing groundwater contamination..."

Post Office Box 4313 • Baton Rouge, Louisiana 70821-4313 • Phone 225-219-3181 • Fax 225-219-3399
www.deq.louisiana.gov

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY



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Possess a "Sewage Sludge & Biosolids Use or Disposal Permit"



All Land Application Projects Require a Sewage Sludge & Biosolids Use or Disposal Permit



STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
Office of Environmental Services – Water Permits Division
Post Office Box 4313
Baton Rouge, LA 70821-4313
PHONE#: (225) 219-3050

PERMIT APPLICATION

FOR

THE USE OR DISPOSAL OF SEWAGE SLUDGE (BIOSOLIDS)

IN

LOUISIANA

Possess a “Sewage Sludge & Biosolids Use or Disposal” Permit

Permit Application Form

Form_7155_r04

Form_7155_r04
01/23/2009

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY



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RESTRICTIONS ON WHAT CAN & CANNOT BE PREPARED WITH SEWAGE SLUDGE





Buffers

Sewage Sludge Preparation/Treatment/ Processing Facility

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
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Private potable water supply well - 300 feet, unless special permission is granted by the private potable water supply owner



Public potable water supply well, surface water intake, treatment plant, or public potable water supply elevated or ground storage tank - 300 feet, unless special permission is granted by the Department of Health and Hospitals

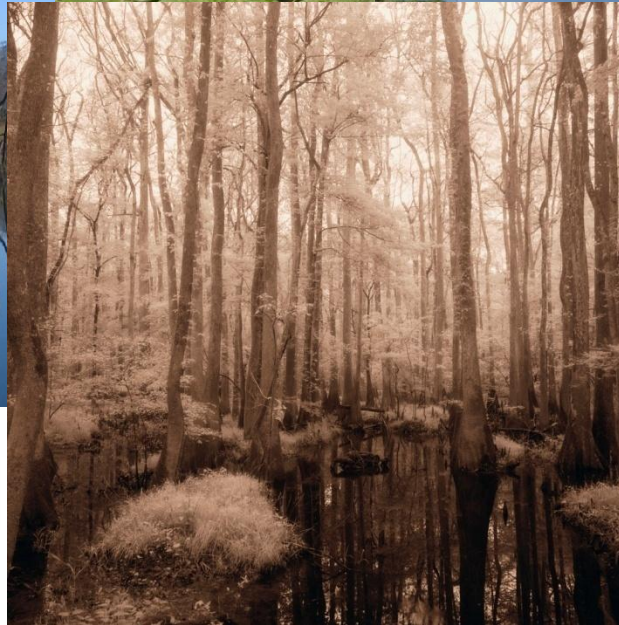


**Property boundary - 200 feet,
unless special permission is
granted by the property
owner(s)**





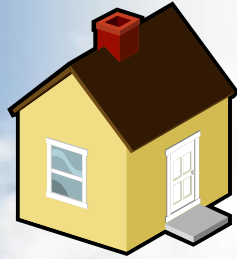
**Wetlands, Surface Waters
(streams, ponds, lakes), or areas
historically subject to overflow
from floods - 100 feet**



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Established institution - 1,000 feet, unless special permission is granted by the responsible official of the established institution. The permission must be in the form of a notarized affidavit executed by the owner waiving the 1,000-foot buffer zone. However, in no case shall the application area be located less than 200 feet from an institution.



Occupied residential home or structure - 500 feet, unless special permission is granted by the owner and/or lessee of the occupied residential home or structure.



The permission must be in the form of a notarized affidavit executed by the owner and/or lessee waiving the 500-foot buffer zone.

However, in no case shall land application of sewage sludge be conducted less than 200 feet from the occupied residential home or structure.



**5,000 feet from any airport
property if only piston-
powered aircraft**

**10,000 feet from any airport
property if piston-powered
and turbine-powered airport
or sell jet fuel at the airport**





Buffers

Class B Biosolids Land Application



LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
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Private potable water supply well - 300 feet, unless special permission is granted by the private potable water supply owner

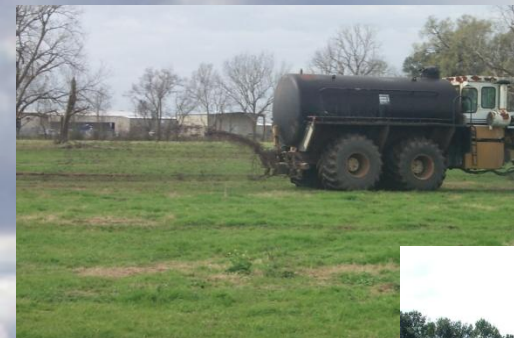


Public potable water supply well, surface water intake, treatment plant, or public potable water supply elevated or ground storage tank - 300 feet, unless special permission is granted by the Department of Health and Hospitals

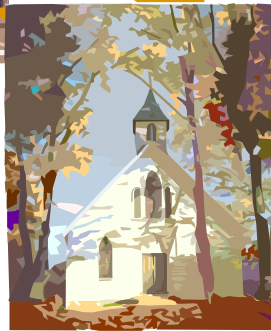




**Property boundary -100 feet,
unless special permission is
granted by the property
owner(s)**

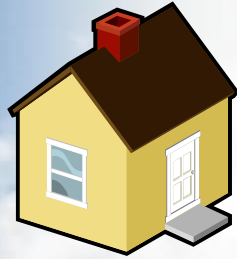


LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
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Established institution - 1,000 feet, unless special permission is granted by the responsible official of the established institution. The permission must be in the form of a notarized affidavit executed by the owner waiving the 1,000-foot buffer zone. However, in no case shall the application area be located less than 200 feet from an institution.





Occupied residential home or structure - 500 feet, unless special permission is granted by the owner and/or lessee of the occupied residential home or structure.



The permission must be in the form of a notarized affidavit executed by the owner and/or lessee waiving the 500-foot buffer zone.

However, in no case shall land application of sewage sludge be conducted less than 200 feet from the occupied residential home or structure.





Proper Site Management RECORD KEEPING



LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

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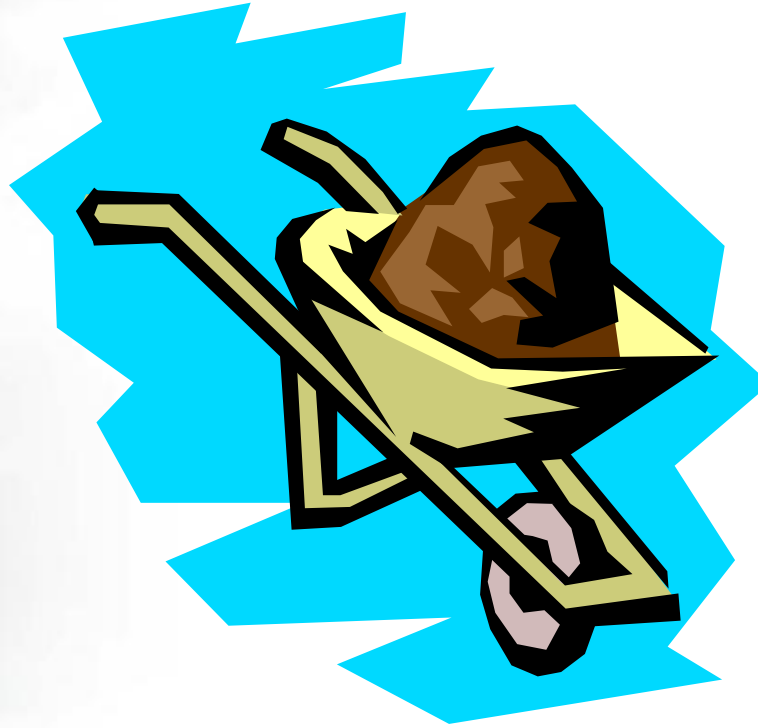


Biosolids shall not be applied to the land until the site has been approved by the administrative authority that the land application site is a legitimate beneficial use site.





NUTRIENT MANAGEMENT PLAN



LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

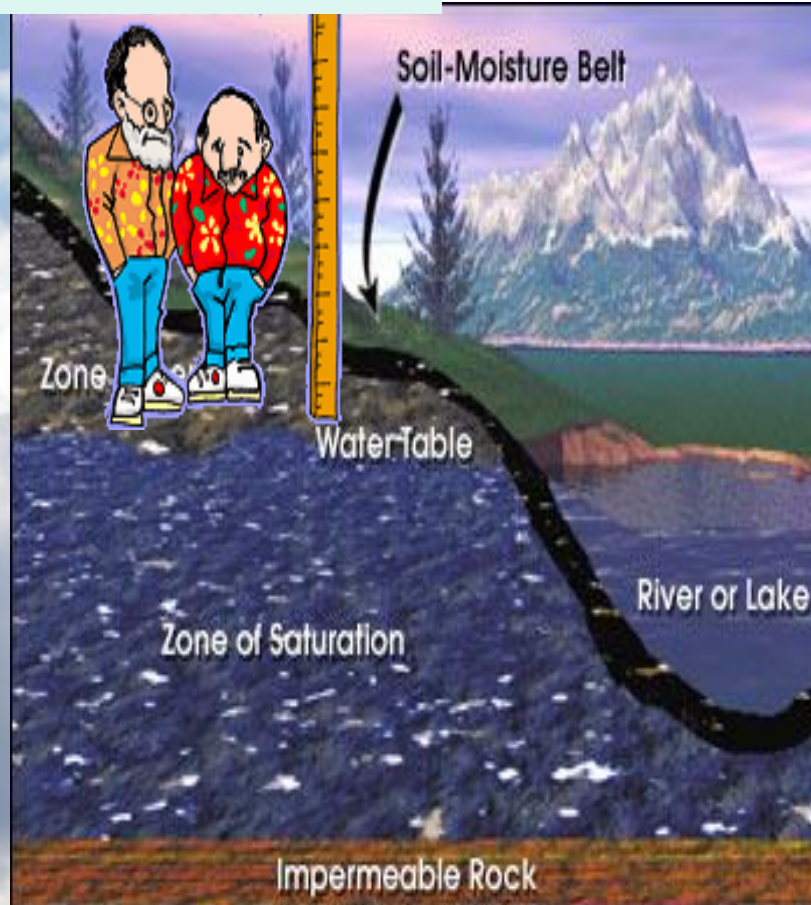
:FOR ALL YOUR ENVIRONMENTS



Slope Limitations for Land Application of Biosolids

Slope Percent	Application Restriction
0-3	None, except drainage to prevent standing water shall be provided.
3-6	A 100-foot vegetated runoff area should be provided at the down slope end of the application area if a liquid is applied. Measures should be taken to prevent erosion.
6-12	Liquid material must be injected into the soil. Solid material must be incorporated into the soil if the site is not covered with vegetation. A 100-foot vegetated runoff area is required at the down slope end of the application area for all applications. Measures must be taken to prevent erosion. Terracing may be required if deemed a necessity by the state administrative authority to prevent runoff from the land application site and erosion.
>12	Unsuitable for application unless terraces are constructed and a 200-foot vegetated buffer area with a slope of less than 3 percent is provided at the down slope edge of the application area and the material is incorporated (solid material) and injected (liquid material) into the soil. Measures must be taken to prevent runoff from the land application site and to prevent erosion.

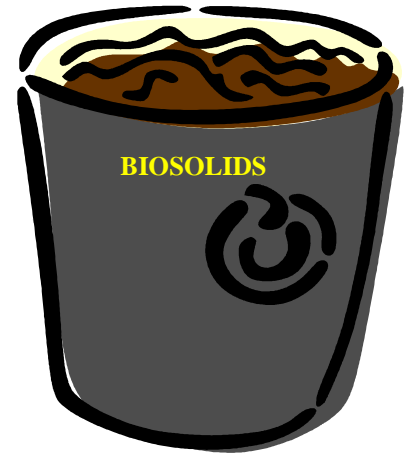




Biosolids shall not be applied to agricultural land, forest, or a reclamation site during the months when the water table is less than or at two feet below the soil surface.



Labeling for Biosolids Sold or Given Away either in Bulk or a Bag or Other Container





Storage

The storage of sewage sludge or Biosolids is allowed for a period not to exceed six consecutive months



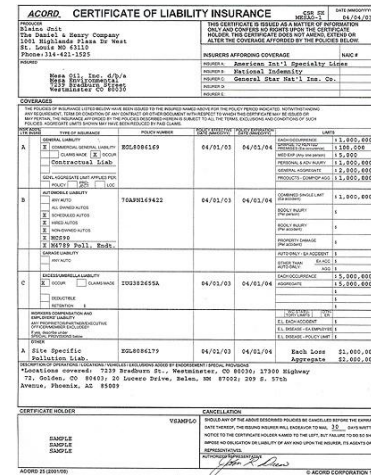
An extension for storage, greater than six months, may be granted by the administrative authority for commercial preparers of sewage sludge or commercial land appliers of Biosolids if the extended storage has no adverse affect on human health and the environment.



Signs

**Example of an
appropriate sign**





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CERTIFICATION



Class II – For Disposal in a Landfill

Class IV – For Preparer of an Exceptional Quality Biosolids and for a preparer and/or land applier of a Class B Biosolids

To maintain certification, eight units of continuous education shall be obtained on a biannual basis.

Classes, seminars, conferences, or conventions used for units shall be approved by the administrative authority.



SEWAGE SLUDGE HAULER REGISTRATION

Registration is for a one (1) year period

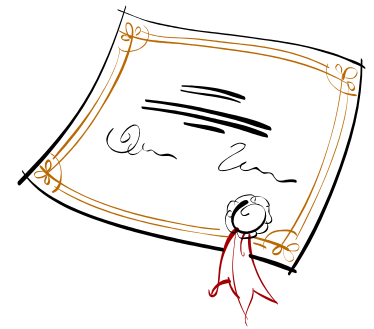
Registration period – July 1st to June 30th

If wish to be re-registered, must apply at least sixty (60) days prior to June 30th

Annual Reports are required to be submitted on February 19th of each year

Reporting period – January 1st to December 31st

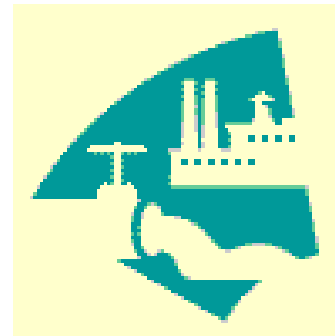
Regulations pertaining specifically to Sewage Sludge Haulers are at LAC 33:IX.7301.F



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**RECEIPT
OF
HAULED SEWAGE SLUDGE
INTO
A
Domestic Wastewater or Sewage Sludge Treatment Facility
LPDES PERMIT**



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LPDES Permit


A general prohibition for the receipt of hauled domestic septage will be placed into all LPDES permits unless the applicant has properly notified the Department. This statement will be in Part II (Other Conditions) and shall read: “The acceptance of hauled domestic septage as defined at LAC 33:IX.2313 is prohibited unless otherwise authorized by this Department.”



LPDES Permit



- a. If already have an LPDES permit – Submit a written notification to DEQ indicating that you are taking in or plan to take in material from haulers/pumpers of sewage sludge.
- b. Upon permit renewal, indicate that you are accepting material from haulers/pumpers in the permit application.
- c. If you do not have an LPDES permit – Indicate that you are accepting material from haulers/pumpers in the permit application.

 To: Prospective Applicants for a Sanitary Wastewater Permit

Attached is a Sanitary Wastewater Discharge Permit Application, WPS-S. To be considered complete, every item on the form must be addressed and the last page signed by an authorized company agent. If an item does not apply, please enter "N/A" (or not applicable) to show that the question was considered.

Two copies (one original and one copy of your completed application, each with a marked U.S.G.S. Quadrangle map or equivalent attached, should be submitted to:

Mailing Address: Department of Environmental Quality Office of Environmental Services Post Office Box 4313 Baton Rouge, LA 70821-4313 Attention: Water Permits Division	Physical Address: (if hand delivered) Department of Environmental Quality Office of Environmental Services 602 N Fifth Street Baton Rouge, LA 70821 Attention: Water Permits Division
---	---

Please be advised that completion of this application may not fulfill all state, federal, or local requirements for facilities of this size and type.

According to L. R. S. 48:385, any discharge to a state highway ditch, cross ditch, or right-of-way shall require approval from:

Louisiana DOTD Office of Highways Post Office Box 94246 Baton Rouge, LA 70894-2045 (225) 379-1527	AND	Louisiana DHH Office of Public Health Center for Environmental Health Services PO Box 4489 Baton Rouge, LA 70821-4489 (225) 342-7550
---	-----	---


In addition, the plans and specifications for sanitary treatment plants must be approved by the Louisiana DHH, Office of Public Health at the address above.

A copy of the LPDES regulations may be obtained from the Department's website at <http://www.louisiana.gov/portals/1674/default.aspx> or by contacting the Office of Environmental Assessment, Regulatory Development Section, Post Office Box 4314, Baton Rouge, Louisiana 70821-4314, phone (225) 219-3181.

For questions regarding this application please contact the Water Permits Division at (225) 219-3181. For help regarding completion of this application please contact DEQ, Small Business Assistance at 1-800-259-2500.

form_7024_102
03/30/2009

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WPS-S

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Attached is a Sanitary Wastewater Discharge Permit Application, WPS-S. To be considered complete, every item on the form must be addressed and the last page signed by an authorized company agent. If an item does not apply, please enter "N/A" (or not applicable) to show that the question was considered.

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LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY



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LPDES Permit



To: Prospective Applicants for a Sanitary Wastewater Permit

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Office of Environmental Services
Post Office Box 4313
Baton Rouge, LA 70821-4313
Attention: Water Permits Division

Physical Address: (if hand delivered)
Department of Environmental Quality
Office of Environmental Services
602 N Fifth Street
Baton Rouge, LA 70821
Attention: Water Permits Division

Please be advised that completion of this application may not fulfill all state, federal, or local requirements for facilities of this size and type.

According to L. R. S. 48:385, any discharge to a state highway ditch, cross ditch, or right-of-way shall require approval from:

Louisiana DOTD
Office of Highways
Post Office Box 94245
Baton Rouge, LA 70804-9245
(225) 379-1927

AND

Louisiana DHH
Office of Public Health
Center for Environmental Health Services
PO Box 4489
Baton Rouge, LA 70821-4489
(225) 342-7395

In addition, the plans and specifications for sanitary treatment plants must be approved by the Louisiana DHH, Office of Public Health at the address above.

A copy of the LPDES regulations may be obtained from the Department's website at <http://www.deq.louisiana.gov/portal/tabid/1674/Default.aspx> or by contacting the Office of Environmental Assessment, Regulations Development Section, Post Office Box 4314, Baton Rouge, Louisiana 70821-4314, phone (225) 219-3550.

For questions regarding this application please contact the Water Permits Division at (225) 219-3181. For help regarding completion of this application please contact DEQ, Small Business Assistance at 1-800-259-2890.

form_7024_r02
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WPS-S



F. Sewage Sludge and Biosolids.

1. Identify the sewage sludge or biosolids use or disposal practice utilized by the facility (i.e. landfill, land application, or incineration).

2. Please give the facility's Sewage Sludge/Biosolids Permit Number _____

3. As per LAC 33:IX.7301.D, if you do not have a sewage sludge/biosolids use or disposal permit, you must apply for one.

- G. If treatment includes some form of "Land Application" (ex. overland flow, rapid infiltration, spray irrigation) indicate the number of acres of the land application area and give a description of the land use (ex. pasture, cattle/sheep/goat/horse grazing, etc.)

Acres: _____

Land Use: _____

- H. If the treatment includes the use of a "Natural Wetland System", please contact DEQ customer Assistance at telephone (888) 763-5424 for additional information prior to submittal of this application.

- I. For Publicly Owned Treatment Works (POTW's):

1. Is the facility operating under an approved pretreatment program? ☐ Yes ☐ No

2. If so, provide the date of approval: _____

3. If not, is the facility required to develop a pretreatment program? ☐ Yes ☐ No

form_7024_r02
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WPS-S

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LPDES Permit



H. Indirect Discharges

1. Are there any indirect commercial/industrial discharges introduced into the treatment facility?

☐

Yes

☐

No

2. Are any indirect sewage sludge (domestic septage, solids removed from primary, secondary, or advanced wastewater treatment, grease trap waste mixed with sewage sludge, or portable toilet waste) introduced into the facility?

☒

Yes

☐

No

If yes to H.1 or H.2, please complete ATTACHMENT 1, INDUSTRIAL/INDIRECT WASTE DISCHARGE INTO SANITARY SYSTEM for each indirect discharger into the treatment system.



LPDES Permit



ATTACHMENT I INDUSTRIAL/INDIRECT WASTE DISCHARGER INTO SANITARY SYSTEM

Contact Person: _____

Physical Address: _____

Type of Process: _____

Total Daily Flow: _____

SIC Code: _____

Type of Discharge: (✓) Check One:

Continuous ☐

Intermittent ☐

Batch ☐

If intermittent, give hours per day and number of days per week of discharge:

If the discharge is introduced to the treatment plant via a hauler/pumped from a truck, please provide the current Louisiana Department of Health and Hospitals license number for the hauler(s).

Provide a measurement of the following effluent characteristics for the industry's discharge before it reaches the sanitary system:

BOD₅ _____ lb/day

TSS _____ lb/day

COD _____ lb/day

pH _____ Standard Units

Oil & Grease _____ lb/day

NH₃-N _____ lb/day

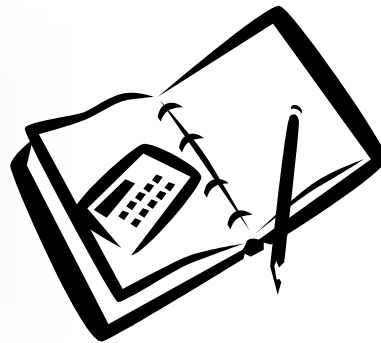
Other pertinent physical and chemical properties (ex. toxic compounds, taste and odor compounds, heavy metals)

Note: Numerous discharges with similar processes, such as service stations, Laundromats, etc., may be grouped together and the total flow and waste loads reported on one form. An estimate should be provided of the number of discharges. If the above source contains any substances not amenable to treatment by the facility covered by this application, an individual pretreatment determination may be made by the issuing agency.





Record Keeping – LPDES PERMIT



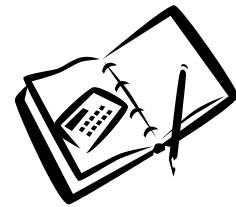
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Record Keeping – LPDES PERMIT



Guidance for the
Sewage Sludge
Manifest Form
(Requirement of the
LPDES Permit for a
Receiving Facility)



SEWAGE SLUDGE MANIFEST FORM		
Section I – Receiving Facility Information		
Receiving Facility Name: _____		
LPDES Permit No.: LA _____		
Facility Phone No.: _____		
Section II – Transporter/Facility Information		
Transporting Company Name: _____		
Transporting Company Address: _____		
Driver Name: _____		
Truck License No: _____	State Hauler License No: _____	
Location of facility disposal: <input type="checkbox"/> Manhole <input type="checkbox"/> Headworks <input type="checkbox"/> Digester <input type="checkbox"/> Other: _____		
Section III – Generator Information		
Generator #1:		
<input type="checkbox"/> Residential <input type="checkbox"/> Business/Commercial – Name: _____		
Address of generated waste(s): _____		
Date Pumped: _____	Time Pumped: _____	am/pm
Tank Size: _____ gal.	Gallons Pumped: _____	gal.
Type of waste(s): <input type="checkbox"/> Domestic <input type="checkbox"/> Grease <input type="checkbox"/> Portable Toilet <input type="checkbox"/> Other: _____		
Generator #2:		
<input type="checkbox"/> Residential <input type="checkbox"/> Business/Commercial – Name: _____		
Address of generated waste(s): _____		
Date Pumped: _____	Time Pumped: _____	am/pm
Tank Size: _____ gal.	Gallons Pumped: _____	gal.
Type of waste(s): <input type="checkbox"/> Domestic <input type="checkbox"/> Grease <input type="checkbox"/> Portable Toilet <input type="checkbox"/> Other: _____		
Generator #3:		
<input type="checkbox"/> Residential <input type="checkbox"/> Business/Commercial – Name: _____		
Address of generated waste(s): _____		
Date Pumped: _____	Time Pumped: _____	am/pm
Tank Size: _____ gal.	Gallons Pumped: _____	gal.
Type of waste(s): <input type="checkbox"/> Domestic <input type="checkbox"/> Grease <input type="checkbox"/> Portable Toilet <input type="checkbox"/> Other: _____		
Section IV - Certification		
<small>I certify under penalty of law that this manifest was prepared by me or under my direction or supervision. The information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that the wastes covered by this manifest are not hazardous as defined at 40 CFR Part 261. I further certify that all discharges made to the treatment works treating domestic sewage are being made in accordance and in compliance with the requirements specified by the treatment works and the LPDES permit issued to the treatment works.</small>		
Printed Name	Signature	Date

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If you have any questions or need additional information on LPDES Permit requirements when domestic septage (or portable toilet waste) is introduced into a domestic (sanitary) wastewater treatment system, please contact:

Yvonne Wingate Baker

LDEQ

Office of Environmental Services

Water Permits Division

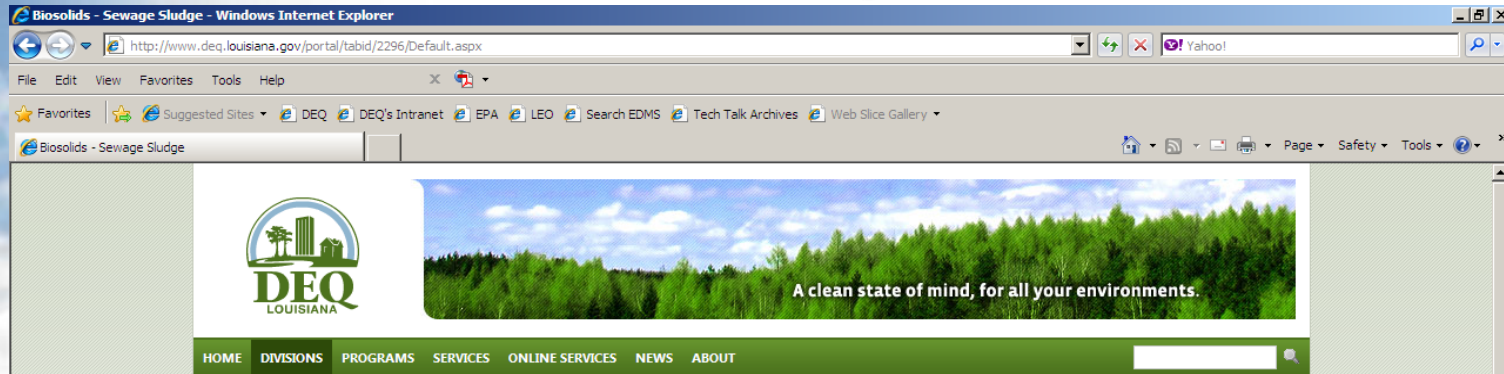
(225) 219-3073

[illegible][illegible]

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

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Department of Environmental Quality Biosolids – Sewage Sludge Internet Page



<http://www.deq.louisiana.gov/portal/tabid/2296/Default.aspx>

[The Sewage Sludge and Biosolids Use or Disposal Regulations](#)

[LAC 33 IX Subpart 3 Chapter 73 - Standards for the Use or Disposal of Sewage Sludge and Biosolids](#)

PLEASE NOTE: The *Sewage Sludge and Biosolids Use or Disposal* regulations, application for permit and reporting forms apply to sewage sludge pumped or removed (wasted) from a sanitary wastewater treatment facility, domestic septage, portable toilet waste (all collectively referred to in the regulations as "Sewage Sludge") and grease that was pumped or removed from a food service facility and mixed with sewage sludge.

[Sewage Sludge & Biosolids Use or Disposal Permit Applications Due](#)

All Major Sanitary Wastewater Treatment Facilities (POTW and Privately-owned) should have received a letter from the Water Permits Division informing the owners/operators that, as per LAC 33:IX.7301.D.1.b.iv, a completed Sewage Sludge & Biosolids Use or Disposal Permit Application must be submitted to LDEQ by June 1, 2009.

If your facility is classified as a Major Sanitary Wastewater Treatment Facility and has not received the letter, you still need to submit a completed Sewage Sludge & Biosolids Use or Disposal Permit Application to LDEQ.

For more information, contact Mr. J. Kilren Vidrine at (225) 219-3012.

[Registration of Vehicles that are Utilized to Pump/Haul Sewage Sludge](#)

During the 2008 Regular Session of the Louisiana Legislature, SB 326 was passed by the Legislature, signed by the Governor, and was enacted into State Law as Act 56. Act 56 becomes effective on [July 1, 2009](#) and provides LDEQ with the authority to license sewage sludge haulers.

Therefore, for the 2009 licensing/registration of the sewage sludge haulers, the pumpers/haulers of sewage sludge will need to completely fill out and submit a "Sewage Sludge Hauler" Notification Form to LDEQ.

[Sewage Sludge Hauler Notification Form](#)   (revised 5/8/2009)

[Approved Sewage Sludge Haulers as of January 12, 2010](#)

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Department of Environmental Quality Biosolids – Sewage Sludge Internet Page



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- LPDES Permits
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- Business and Community Outreach
- Biosolids**
- WPD Activities

NEWS

continues for environmental healthcare workshops

3 days ago

at hospitals and healthcare providers are currently scheduled in Metairie. The workshops are intended to educate hospital and healthcare providers on environmental matters, as well as help to improve compliance with the Joint Commission's

LPDES Permits

Water Quality Certifications

Enviroschool communities continues in February 2009

DEQ Communications - 4 days ago

Enviroschool is a training session presented by the Department of Environmental Quality that helps the public better understand the agency and how it operates. In February, the topic for Baton Rouge, Shreveport, Lake Charles and New Orleans will be Water Permits 101: Understanding the Process. The session will introduce the water program's mission, major regulations that govern it, and types and examples of water permits. For Monroe and Alexandria, the topic will be Environmental Regulations 101: A Broad Overview. This session will talk about federal and state environmental regulations and what they are designed to do.

GUSTAV & IKE INFORMATION >>

Harold Leggett, Ph.D. DEQ SECRETARY >>

ON AIR CURRENT AQI DATA >>

ENVIROSCHOOL >>

Katrina & Rita: HURRICANE UPDATE >>

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Department of Environmental Quality Biosolids – Sewage Sludge Internet Page



Biosolids - Sewage Sludge - Windows Internet Explorer

http://www.deq.louisiana.gov/portal/tabid/2296/Default.aspx

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Biosolids - Sewage Sludge

DEQ LOUISIANA

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Biosolids - Sewage Sludge

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Approved Sewage Sludge Haulers as of January 12, 2010

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:FOR ALL YOUR ENVIRONMENTS



Any Questions?

J. Kilren Vidrine, ES-Staff
Louisiana Department of Environmental Quality
Office of Environmental Services
Water Permits Division
P.O. Box 4313
Baton Rouge, Louisiana 70821- 4313
Telephone Number: (225) 219-3012
E-mail Address: Kilren.Vidrine@LA.GOV



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